

# SAFETY DATA SHEET

## 1) IDENTIFICATION

**Product Name:** MYDONEG RA Fixer and Replenisher

**Champion Product Code:** 140206

**Presentation:** Pack to make 2 x 10L

**Supplier:** CHAMPION PHOTOCHEMISTRY  
INTERNATIONAL LIMITED  
Hubert Road  
Brentwood  
Essex CM14 4JE  
United Kingdom

**Telephone No:** + 44 (0) 1277 263646 (Technical Services)

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## 2) COMPOSITION/INFORMATION ON INGREDIENTS

### Product Description:

A water based negative film processing Fixer containing ammonium thiosulphate and ammonium thiocyanate as the principal components.

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## 3) HAZARDS IDENTIFICATION

Not classified as hazardous although will be harmful if swallowed.

Contact with acids liberates very toxic gases.

Contact with alkalis, (including many photographic developers), liberates irritant gas (ammonia).

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## 4) FIRST AID MEASURES

**Eyes:** Flush immediately with eye wash solution or clean water.  
Obtain medical attention.

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**Inhalation:** Inhalation of the product is unlikely to occur. In the event of inhalation move to fresh air and obtain medical attention if symptoms occur. Asthmatics or persons with known respiratory problems should receive immediate medical attention.

**Skin Contact:** Wash well with soap and water.

**Ingestion:** Rinse mouth and drink plenty of water. Obtain medical attention.

IN ALL CASES OF DOUBT OR IF SYMPTOMS PERSIST, SEEK MEDICAL ADVICE. SHOW THE PRODUCT LABEL AND THIS SAFETY DATA SHEET TO THE DOCTOR

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## 5) FIRE-FIGHTING MEASURES

Not classified as flammable (water based). If involved in a major fire, toxic gases, (ammonia and sulphur dioxide, hydrogen sulphide, hydrogen cyanide and NOx) could be produced.

**Extinguishing Media:** Suitable for the surrounding fire.

**Protective Equipment:** Self-contained respiratory equipment.

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## 6) ACCIDENTAL RELEASE MEASURES

**Personal Protection:** When dealing with spillages wear the personal protection detailed in Section 8 and ensure thorough ventilation of the area.

**Environmental Precautions:** Prevent spillage from entering drains by absorption into inert material, (eg. dry sand), and transfer to a container for disposal by a licensed waste contractor in accordance with current local and national legislation.

**Cleaning Up:** Clean floors and surfaces with water.

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## 7) HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Do not eat, drink, or smoke when using. Ensure adequate ventilation, especially over mixing vessels and processing tanks. Re-cap containers after use.

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**Storage:** Store in a dry, well ventilated area at an ambient temperature of 13 - 18°C in the original container. Ensure containers are securely re-capped after use.

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## 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Measures:** Ensure good ventilation and local exhaustion of the working area.

**Respiratory Protection:** Not normally required.

**Hand Protection:** Impervious gloves.

**Eye Protection:** Wear safety glasses as the minimum level of protection. Provide eye-wash bottles in the immediate working area.

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## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Pale yellow liquid.

**Odour:** Very slight.

**pH:** 6.4

**Relative Density:** 1.18

**Freezing Point:** - 6°C

**Flammability:** Not flammable

**Solubility in water:** Completely miscible - water based.

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## 10) STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions. (See section 7).

**Materials to avoid:** Incompatible with strong acids, alkalis, photographic developers and with oxidising agents.

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## **Hazardous Decomposition**

### **Products:**

Sulphur Dioxide, Ammonia, Hydrogen Sulphide, Hydrogen Cyanide, NOx.

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## **11) TOXICOLOGICAL INFORMATION**

<b>Eye Contact:</b>	Irritant or severely irritant.
<b>Skin Contact:</b>	Prolonged contact may cause irritation.
<b>Ingestion:</b>	Likely to be harmful.
<b>Inhalation:</b>	May cause irritation. The presence of sulphite in the product may cause respiratory difficulties to asthmatics or persons with known respiratory problems.

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## **12) ECOLOGICAL INFORMATION**

The following summary indicates the expected behaviour of the product in the environment based on the physical and chemical properties and known data for the principal components.

<b>Mobility:</b>	Very mobile in soils given average irrigation. Very mobile in aquatic environment.
<b>Persistence:</b>	Harmful short term effects due to oxygen demand are rapidly reduced by dilution, aerial oxidation and photodecomposition. The product has a very low potential to persist in a harmful form.
<b>Bio-accumulation:</b>	Does not bio-accumulate.
<b>Aquatic Toxicity:</b>	Causes localised damage to aquatic organisms due to oxygen depletion. After dilution and waste treatment, the product should have no adverse environmental effects.

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## **13) DISPOSAL CONSIDERATIONS**

### Surplus Product and Used Solution

Disposal should be in accordance with current local and national legislation. When disposing of used working strength solution recover silver before disposal.

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Plastic Containers

Rinse with water. Dispose as solid waste to landfill or recycle where possible.

Cardboard Cartons

Recycle where possible or treat as solid waste.

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**14) TRANSPORT INFORMATION**

**IMDG Classification:** Non-hazardous for carriage by sea.

**ADR : RID Classification:** Non-hazardous for carriage by road/rail.

**IATA Classification:** Non-hazardous for carriage by air.

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**15) REGULATORY INFORMATION**

**Hazard Symbol:** None.

**Risk Phrases:** None.

**Safety Phrases:** None.

The information contained in this Safety Data Sheet does not constitute the users own assessment of work place risk as required by other health and safety legislation, (eg. COSHH Regulations in the UK).

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**16) OTHER INFORMATION**

The information contained in this Safety Data Sheet does not constitute the users own assessment of work place risk as required by other health and safety legislation, (eg. COSHH Regulations in the UK).

Document History

Prepared by: DS

Revision No: 0

Revision Date: 18/07/95

Reference Sources Include: CHIP Regs 1994 and related ACOPs.

UK HSE EH40/95, Occupational Exposure Limits

Croner's First Aid Guide

Raw Material MSDS

**The information contained in this Safety Data Sheet is to our best present knowledge correct and complete and is given in good faith but without warranty.**

**Date of Issue:** 18/07/95